



THE TEXAS SOLUTION

WCS Current Facilities



LSA Pad

Federal Facility

Byproduct Facility

Compact Facility

Hazardous Waste
Landfill

Administration Buildings and
Treatment Facility



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Compact Waste Facility

The Compact Waste Facility (CWF) is for Compact Waste.

Compact Waste is waste that is generated in Texas or a party state (VT) or waste that is not generated in Texas or a party state (VT), but has been approved for importation to Texas by the Texas Low-Level Radioactive Waste Disposal Compact Commission (TLLRWDCC)



CWF Authorized Waste

Class A, Class B and Class C containerized waste



Container examples include drums and metal boxes



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CWF Authorized Waste

Most power plant waste is packaged in liners
and shipped in transportation casks



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Modular Concrete Canisters

- Reinforced concrete
- Meet 10 CFR Part 61 stability requirements for disposal of Class B and C waste
- Cylindrical MCC
 - 6'8" D x 9'2" H (ID)
- Rectangular MCC
 - 9'6" L x 7'8" W x 9'2" H (ID)





CWF Authorized Waste

- Large Components
 - Additional Requirements including a Large Component Plan that is reviewed by TCEQ
 - Plan must be submitted at least 90 days prior to shipment





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Transportation

Truck or Rail





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Waste Acceptance Criteria

- Prohibited Waste
 - International Waste
 - Naturally Occurring Radioactive Material (NORM) waste
 - By-product waste (11.e.2)
 - Spent fuel
 - Oil or petroleum products
 - Uranium hexafluoride
 - RCRA hazardous or Low Level Mixed Waste



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Waste Acceptance Criteria

- Prohibited Waste continued
 - Waste cannot contain or be capable of generating quantities of toxic gases, vapors or fumes harmful to persons transporting, handling, or disposing of the waste
 - Waste must not be pyrophoric



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Waste Profiles

- The Generator is required to complete a waste profile for each waste stream that they want to send to the Compact Waste Facility
- Each profile is reviewed by WCS to determine compliance with licenses and permits
- If the profile complies with all applicable licenses and permits, the profile is approved



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Shipment Request

- The generator is required to submit a shipment request for each waste shipment they want to send to the Compact Waste Facility
- WCS reviews the shipment information and compares it to the information provided by the generator in the waste profile
- If the shipment is approved, WCS provides a scheduled date and time for shipment receipt



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Disposal

Within 7 days of receipt, WCS will dispose of the waste containers in a MCC at the Compact Waste Facility. The State of Texas takes title to the waste that is disposed in the CWF.





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Disposal

Once the waste containers are placed in a MCC, they are grouted in place.



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